

Please amend claims 1-4, 6-7, and 9 as follows:

**Claims:**

1. (currently amended) A parallel kinematic machine ~~having a machine-connected positioning head and at least three machine setting devices, said parallel kinematic machine comprising at least three joints, each of which connects a respective machine setting device to the machine-connected positioning head and:~~

~~a machine-connected positioning head connected to at least three arm joints, each arm joint (i) defining a main axis about which it can rotate and (ii) comprising a wobbler; and~~

~~at least three machine setting devices, each machine setting device comprising a piston, each piston comprising a distal end displaceable axially in a cylinder, and each distal end connected to one of each of the at least three arm joints;~~

~~wherein each wobbler (i) includes an external bearing mounting surface on which the distal end of the respective machine-setting device is mounted and (ii) defines a wobbler axis about which the respective machine setting device can rotate; and~~

~~wherein each arm joint cooperates with said other arm joints in said parallel kinematic machine to move said machine-connected positioning head in space, said joints each comprising a wobbler that (1) is mounted to the respective machine setting device and allows rotation of the respective machine setting device about a wobbler axis, (2) is, in turn, mounted for rotation about a main axis that extends through a setting device bearing means around the wobbler, and (3) includes an external bearing mounting surface or an external bearing surface on which its respective setting device is mounted.~~

2. (currently amended) A parallel kinematic machine according to claim 1, characterized in that the joints are disposed between the setting devices and the machine-connected positioning head or, alternatively, between the setting devices or a frame, wherein ~~each of the at least three arm joints further comprise a one end of each setting device is mounted for rotation about which, in turn, is rotatably mounted via joint~~ mounting means on opposing sides of ~~each the wobbler for mounting each wobbler to the~~

machine-connected positioning head ~~or to the frame or both~~ for rotation about said main axis.

3. (currently amended) A parallel kinematic machine according to claim 1, characterized in that, for each arm joint, the wobbler axis and the main axis mutually intersect at an angle  $\alpha$ , where  $1^\circ \leq \alpha \leq 45^\circ$ .

4. (currently amended) A parallel kinematic machine according to claim 1, characterized in that, for each arm joint, the wobbler axis and the main axis mutually intersect at an angle  $\alpha$ , where  $5^\circ \leq \alpha \leq 20^\circ$ .

5. (canceled)

6. (currently amended) A parallel kinematic machine according to claim 1, wherein each of the at least three arm joints further comprises:

a joint mounting means on opposing sides of each wobbler for mounting each wobbler to the machine-connected positioning head for rotation about said main axis; and

a supporting shaft disposed between the joint mounting means and the wobbler;  
and

wherein characterized in that each joint the wobbler is firmly connected to the a supporting shaft which has two ends that are rotatably connected to the joint mounting means positioning head and/or the frame.

7. (currently amended) A parallel kinematic machine according to claim 1, wherein each of the at least three arm joints further comprises:

a joint mounting means on opposing sides of each wobbler for mounting each wobbler to the machine-connected positioning head; and

a supporting shaft disposed between the joint mounting means and the wobbler;  
and

wherein characterized in that each joint the wobbler is rotatably connected to the a supporting shaft which includes two ends of which at least one end is connected to the joint mounting means positioning head and/or the frame.

8. (previously presented) A parallel kinematic machine according to claim 7, characterized in that one end of the supporting shaft is inserted in a first joint mounting means which is secured axially by a clamp coupling; and in that the other end of the supporting shaft is firmly connected to a second joint mounting means.

9. (currently amended) A parallel kinematic machine according to claim 1, wherein each of the at least three arm joints further comprises:

a joint mounting means on opposing sides of each wobbler for mounting each wobbler to the machine-connected positioning head; and

a supporting shaft disposed between the joint mounting means and the wobbler;  
and

wherein for each joint, the wobbler axis and the main axis mutually intersect at an angle  $\alpha$ , and wherein the characterized in that an angle  $\alpha$  is orientated in relation to the a supporting shaft when the machine setting device is fitted to the machine connected positioning head and/or a frame, so as to permit tilting between the machine setting devices and their respective wobblers by a rotation of the wobblers about the main axis.